PROJECT TITLE : CIGARETTE DEVELOPMENT
TECHNICAL REPORT

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PERIOD COVERED : September 27th - October 28th 1980

S W I T Z E R L A N D

364 CALIFORNIA MPH — Use the CALIFORNIA blend for MPH cigarettes

Reference is made to the monthly report of September 1980. Trials have been carried out with different cigarette papers on the MPH cigarettes. Four prototypes giving similar analytical figures have been submitted for taste evaluation. Among them prototype 12P is found to be very close to the current MPH cigarettes and will be presented to Swiss Marketing shortly.

	Prototype 12	MPH cigarette
Format	7.85/25/99	7.85/25/99
Blend	CH0336401N02	MAA 42
Cigarette specifications		
Cigarette paper	Pela S 130 Mn	Pela 22/45 M
Filtre	MPH PC 100 ----------	
Tipping paper	Micro-laser 4 x M. 0.15 . 4.5 ----------	
Total weight	1219	1289
Tobacco weight at 12 %	865	944
Total (Filter) RTD	102 (75)	105 (69)
Filler		
TA	1.43	1.36
Nitrate Nitrogen	0.16	0.16
Reducing sugars	8.6	11.4
Smoke		
TAR	10.6	13.5
SN	0.99	1.02
CO	10.8	13.8
NO	0.16	0.20
Puff count	10.9	11.6

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Source: https://www.industrydocuments.ucsf.edu/docs/fnml0000

Comments : It should be noted that TAR and CO deliveries have been reduced of about 20 % without influencing taste impact and smoker's satisfaction.

Quote : "The saving of 8 % of tobacco weight due to the introduction of ET is not negligible and could be increased to 10 % without changing the quality set of the cigarette."

278 EVEREST

Reference is made to the monthly report of September 1980. The issue of the trials carried out on FLI and FLK cigarettes with the modified blend did not show any improvement with regard to the TAR level.

New objectives : TAR = 6 mg
SN = 0.6 mg

In order to achieve these objectives some prototypes based on FLI cigarette specifications have been produced with the FLL blend. In parallel another higher porosity cigarette paper BDP 15 EP 75 from Brauenstein has been tested.

363 DELAWARE

Product test
Launching phase
TAR = 3 mg
SN = 0.3 mg
Puff count = 6.5 - 7
Format : 7.95 / 25 / 79.4 mm

Product test

A product test with two prototypes (28P and 29P) against SELECT NO 2 is presently in the field. (For more details refer to the monthly report of September 1980).
Results are expected for November 7th 1980.

Launching phase

The issue of the meeting for launching held in FTR on the 10th of October 1980 was the establishment of provisional specifications for the new PM brand.
The first production is foreseen for mid-November and the sale distribution for the beginning of December 1980.

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284 MARYLAND

TAR = 12 mg
Puff count = 8
Format : 7.95 / 18 / 79.4 mm

1. The conclusions of the product test made in June 1980 can be summarized in the following : "Prototype 122 cannot be recommended as a replacement of the current BRUNETTE DOUBLE FILTRE product."

2. After these negative results, further development seemed to be necessary.
Different cigarette paper manufacturers have been contacted to supply us with cigarette papers of different porosities, specially developed for the MARYLAND type cigarettes. Trials have been carried out with two cigarette papers from Mauduit and nine from Brauenstein with the aim to choose among them the right one.
Analytical figures were not taken in consideration.
All prototypes have been taste evaluated by expert Panel. Only one sample (134 P) with 14-5030 EP 75 cigarette paper from Brauenstein has been retained for further development.

3. In view of the Maryland tobacco situation, the blend composition of this project had to be completely revised and a new leaf formula will be established.
Based on the same, different prototypes will be prepared as follows :

a) With the actual BRD specifications
b) With prototype 122 and the same but with modified filter
c) With prototype 134 and the same but with modified filter
d) With prototype 134 without Esther in the blend

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N I G E R I A

395 BRADFORD

DPM reduction of 2 - 3 mg
Concerned brands : GREEN SPOT
LINK FILTER
TARGET FILTER
TARGET SUPER

Based on the given specifications and the C.I.R. 6-7 1980 analytical figures, some modifications are suggested in order to achieve the objectives.

GREEN SPOT — To use a higher porosity cigarette paper (WP 70)

LINK FILTER
a) To use a higher porosity cigarette paper (WP 70)
b) To use a higher efficient filter (2.5 Y / 48'000)

TARGET FILTER
a) To increase the filter length (from 18 to 20mm)
b) To use a higher porosity cigarette paper (WP 70)
c) To use a higher efficient filter (2.5 Y / 48'000)

TARGET SUPER
a) To use a higher porosity cigarette paper (110-6 EP)
b) To use a higher efficient filter (2.5 Y / 48'000)

These propositions will be discussed during the next Committee B meeting.

P. Nagel

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10/29/1980/PHN/cap

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